

FIG. 1

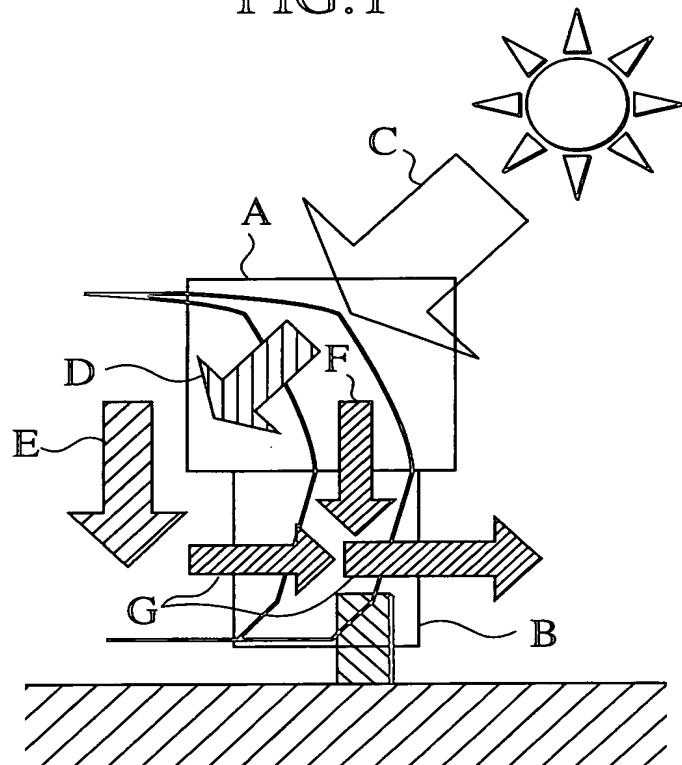


FIG. 2

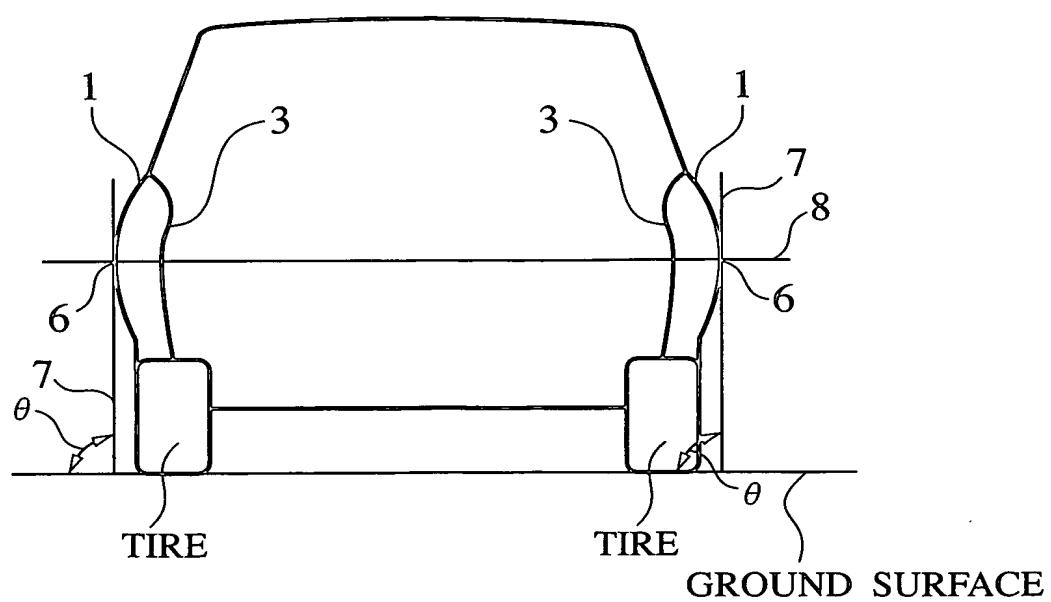


FIG.3A

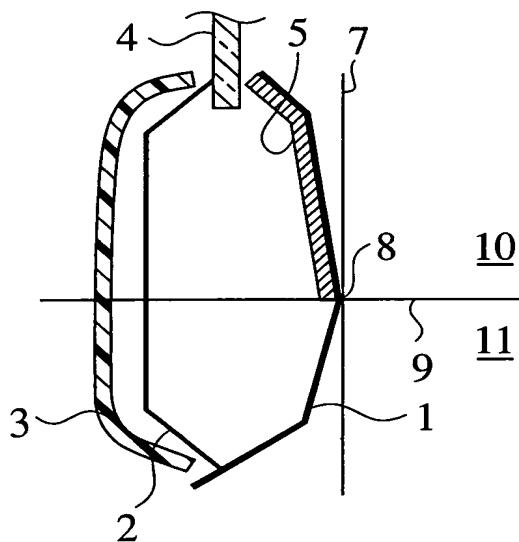


FIG.3B

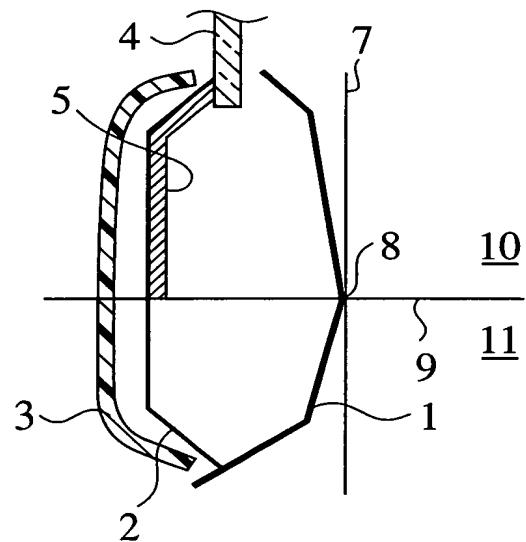


FIG.3C

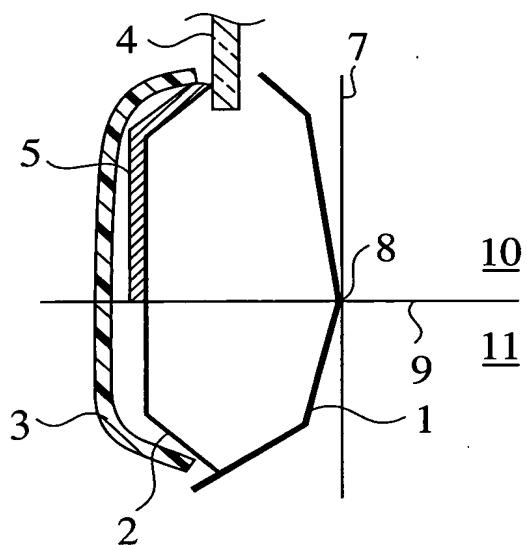


FIG.3D

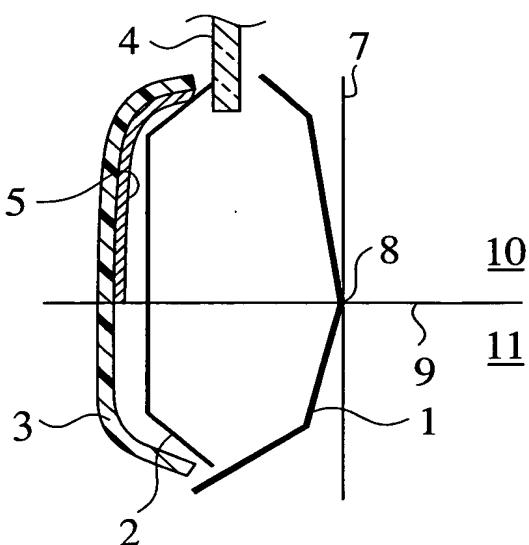


FIG.4A

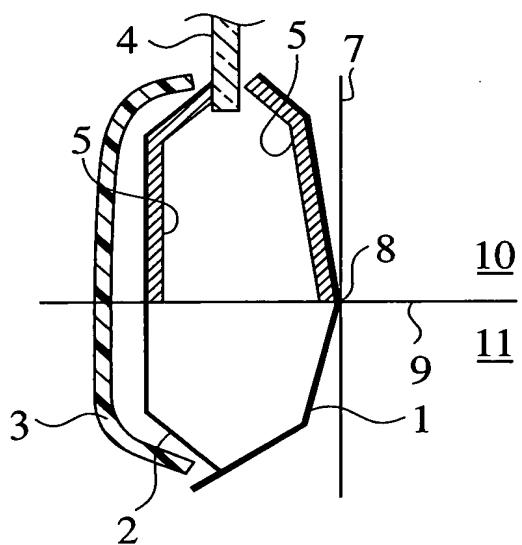


FIG.4B

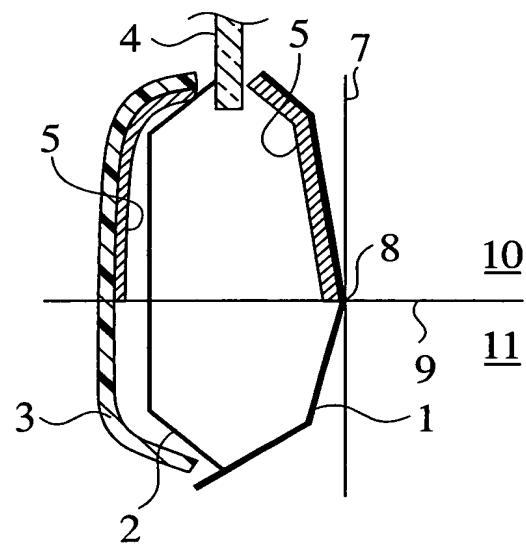


FIG.4C

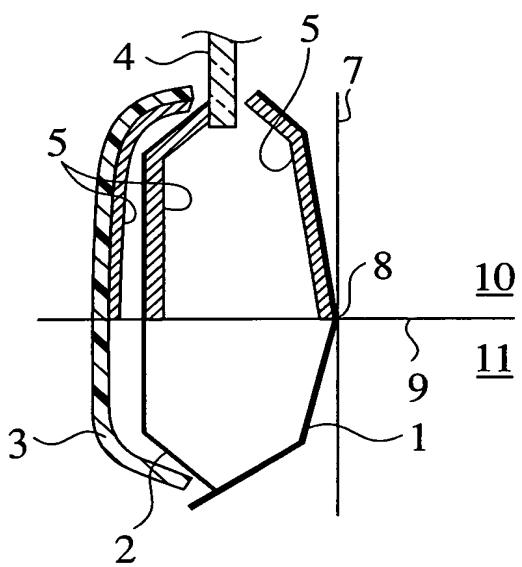


FIG.5A

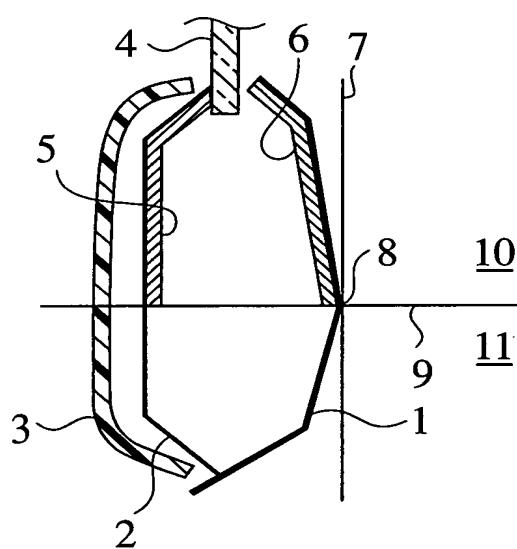


FIG.5B

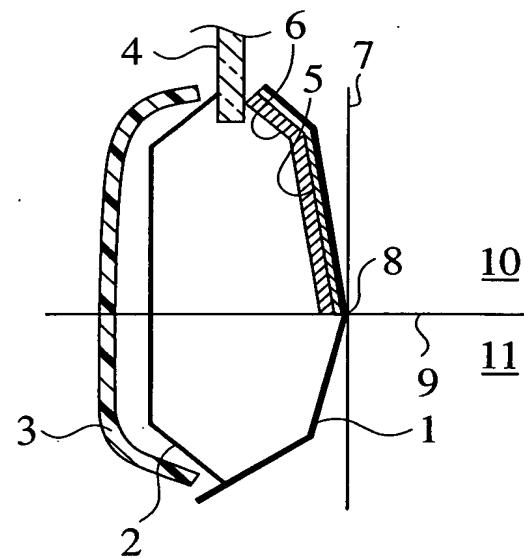


FIG.6

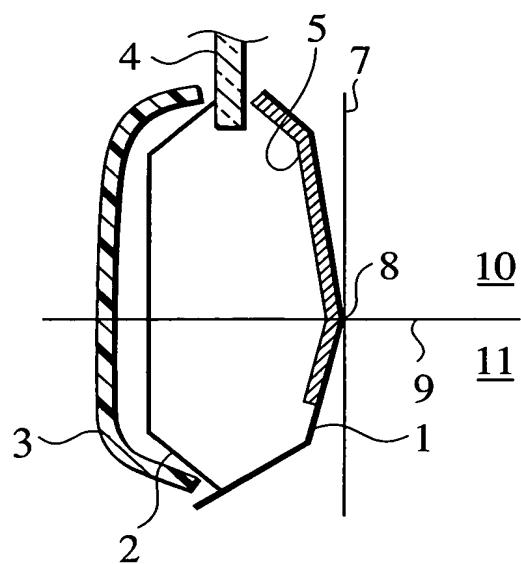


FIG.7A

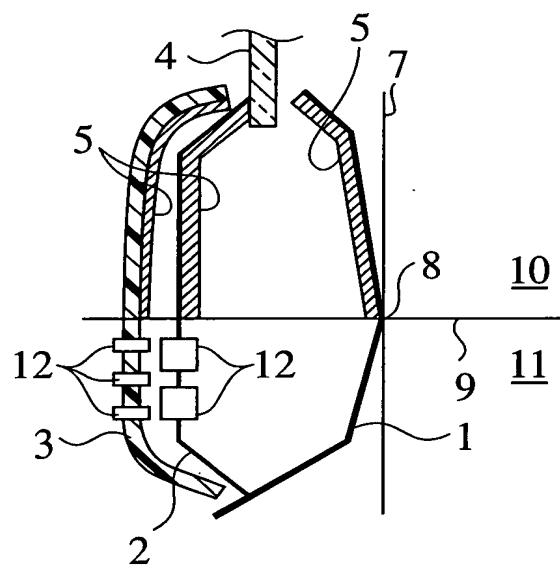


FIG.7B

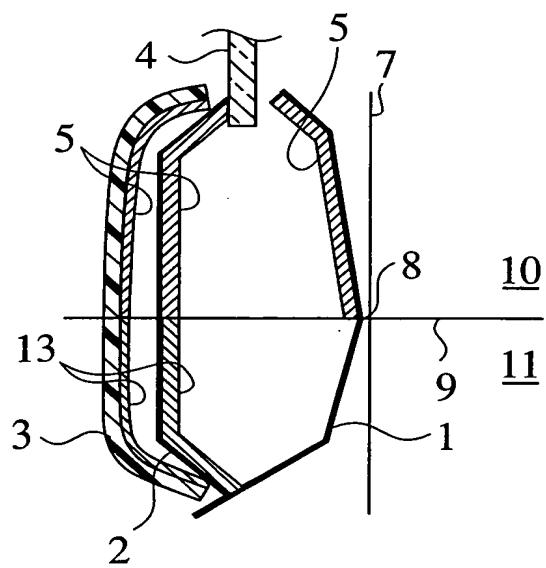


FIG.7C

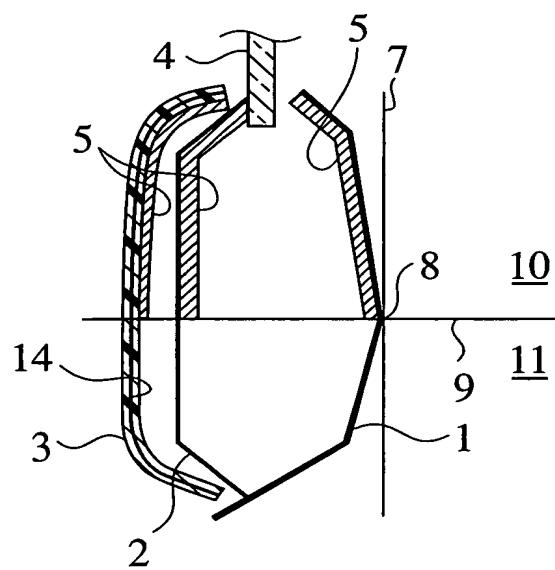


FIG.8

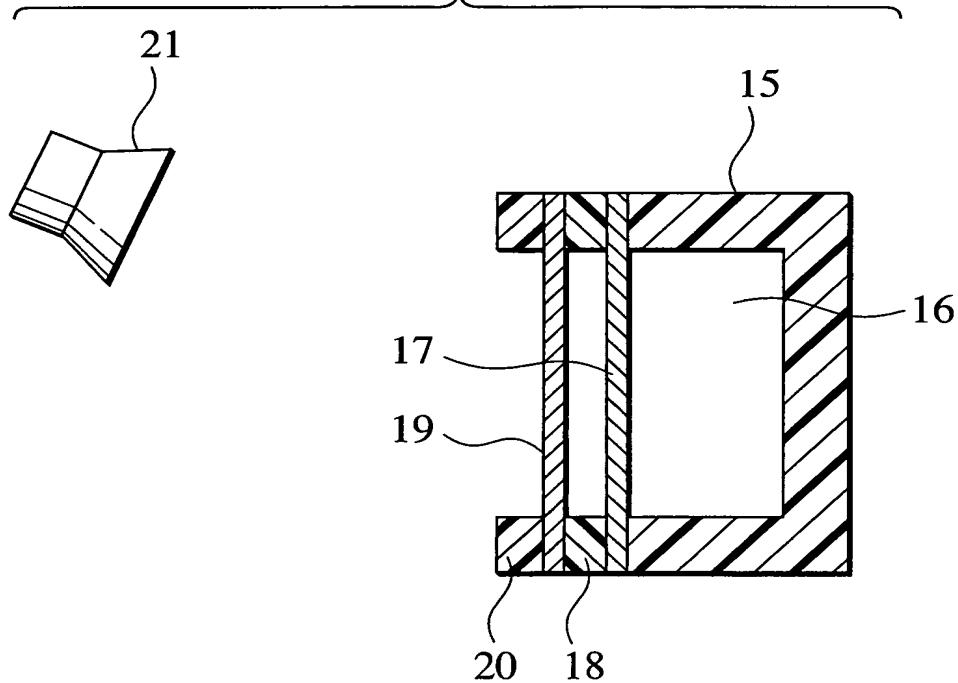


FIG. 9

Title: VEHICLE BODY PANEL
STRUCTURE
Inventors: Hirosumi OGAWA et al.
DOCKET NO.: 040302-0358

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panel 19		panel 17	
Heat insulation section	"Heat insulator (Heat insulation method)"	Heat insulation section	"Heat insulator (Heat insulation method)"
Ex.1	None	Upper half	Al deposited PET Film
Ex.2	None	Upper half	Al Foil
Ex.3	None	Upper half	"Film coated by Al containing coating material"
Ex.4	None	Upper half	Al containing coating material
Ex.5	Upper half	None	Al deposited PET Film
Ex.6	Upper half	Upper half	Al deposited PET Film
Ex.7	None	Area of 70%	Al deposited PET Film
Ex.8	None	Upper half	"PP form sheet (thickness of 1mm)"
Ex.9	None	Upper half	"PP form sheet (thickness of 2mm)"
Ex.10	None	Upper half	"Nonwoven fabric (thickness of 10mm)"
Ex.11	None	Upper half	"PP form sheet (thickness of 1mm) + Al deposited PET Film"
Ex.12	Upper half	Upper half	Al deposited PET Film
Ex.13	None	Upper half	Al deposited PET Film
Ex.14	None	Upper half	Al deposited PET Film
Ex.15	None	Upper half	Al deposited PET Film
Ex.16	None	Upper half	Al deposited PET Film
Com. Ex.1	None	None	Entire area
Com. Ex.2	None	None	Al deposited PET Film
Com. Ex.3	Entire area	Al deposited PET Film	Entire area
Com. Ex.4	None	None	"PP form sheet (thickness of 1mm)"

	Heat dissipation section	"Heat dissipation material (Heat dissipation method)"	Heat dissipation section	"Heat dissipation material (Heat dissipation method)"	panel 17
Ex.1	None		Lower half		None
Ex.2	None		Lower half		None
Ex.3	None		Lower half		None
Ex.4	None		Lower half		None
Ex.5	None		Lower half		None
Ex.6	None		Lower half		None
Ex.7	None		Area of 30%		None
Ex.8	None		Lower half		None
Ex.9	None		Lower half		None
Ex.10	None		Lower half		None
Ex.11	None		Lower half		None
Ex.12	None		Lower half		None
Ex.13	None		Lower half		None
Ex.14	None		Lower half		Ventilation holes
Ex.15	Lower half	High emissivity coating	Lower half		High emissivity coating
Ex.16	None		Entire area		High emissivity coating
Com. Ex.1	None		Entire area		"Iron sheet, PP sheet and High emissivity coating"
Com. Ex.2	None		None		None
Com. Ex.3	None		None		None
Com. Ex.4	None		None		None

FIG.10

FIG.11

	Surface temperature(°C)		Air temperature(°C)	
	Upper part	Lower part	Upper part	Lower part
Ex.1	55.3	54.6	54.7	53.1
Ex.2	55.5	54.8	54.7	53.2
Ex.3	56.1	54.8	55.7	56.2
Ex.4	55.2	54.3	54.7	54.1
Ex.5	54.8	54.1	54.2	53.7
Ex.6	55.3	54.2	54.6	53.7
Ex.7	52.9	49.8	50.2	49.3
Ex.8	54.9	54.6	53.4	53.1
Ex.9	56.1	54.8	54.9	54.2
Ex.10	55.4	54.4	54.6	53.8
Ex.11	56.7	54.2	55.2	53.8
Ex.12	54.5	53.2	52.9	52.7
Ex.13	52.9	50.4	51.7	50.1
Ex.14	52.3	49.2	51.4	48.8
Ex.15	52.4	51.9	51.7	51.2
Ex.16	53.1	52.9	51.4	51.0
Com. Ex.1	78.4	71.1	76.9	70.9
Com. Ex.2	68.2	64.5	66.9	62.5
Com. Ex.3	67.9	65.4	66.5	64.2
Com. Ex.4	72.5	68.5	70.4	67.0